

Fluor Hanford, Inc.
Post Office Box 1000
Richland, Washington 99352

0060762

FLUOR

Memorandum

To: S. J. Trent Date: T4180-03-SLF-028
September 10, 2003

From: S. L. Fitzgerald, Manager *SLF* Telephone: 373-7495
WSCF Analytical Services

cc: W/Attachments W/O Attachments

T. F. Dale	S3-28	D. M Thornton	S3-30
S. L. Fitzgerald	S3-30	D. Hart	S3-30
H. K. Meznarich	S3-30	L. C. Swanson	E6-35
J. E. Trechter	S3-30	File/LB	
M. Neely	S3-30		

Subject: FINAL RESULTS FOR 200-PW-2/200-PW-4 OU- SAMPLE DELIVERY GROUP
WSCF20031116 SAF NUMBER F03-007

References: (1) Groundwater Protection Program-Letter of Instruction, FH-EIS-2003-MEN-001,
October 31, 2002

(2) HNF-SD-CD-QAPP-017, Rev. 5, Waste Sampling and Characterization Facility
Quality Assurance Plan

This letter contains a narrative (Attachment 1) for the sample delivery group (WSCF20031116),
the analytical results (Attachment 2) and the sample receipt information (Attachment 3).

slf/ddw

Attachments 3

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T4180-03-SLF-028

ATTACHMENT 1

NARRATIVE

Consisting of 2 pages
Cover page not included

Sample Delivery Group	WSCF20031116
Sample Matrix	Water
Sample Visual	Clear
SAF Number	F03-007
Data Deliverable	Summary Report

Introduction

One (1) water sample (B174B6) from the GPP was received at the WSCF Laboratory on August 13, 2003. The sample was analyzed for those analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the *Groundwater Protection Program- Letter of Instruction*, referenced in the cover letter.

The narrative (Attachment 1) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 2) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information. Copies of the chain of custody and Request for Sample Analysis forms are included as Attachment 3.

Analytical Methodology for Requested Analyses

- VOA's by EPA SW-846 Method 8260A. Analytical work was performed with no deviations to the approved procedure. The Benzyl Alcohol was removed from the requested compound list per the client. See page(s) 3-3 for details.

Comments

VOA's – The hold time(s) for this analysis was met. A Laboratory Control Sample, Matrix Spike and Matrix Spiked Duplicate were analyzed with each delivery group per the GPP Letter of Instruction. See page(s) 2-8, 2-9 and 2-10 for QC details.

This Summary Report is in compliance with the SOW, both technically and for completeness. Release of the data contained in this hard copy report has been authorized by the WSCF Laboratory Analytical Manager and Client Services, as verified by the following signature.



Troy Dale
WSCF Production Control

Abbreviations

Hg – Mercury

IC – Ion Chromatography

ICP – Inductively Coupled Plasma

ICP/AES – ICP/Atomic Emission Spectroscopy

ICP/MS – ICP/Mass Spectrometry

Total U – Total Uranium

AT/TB – Total Alpha/Total Beta

AEA – Alpha Energy Analysis

WTPH-G – Total Hydrocarbons-Gasoline

CN - Cyanide

Am – Americium

Cm - Curium

Pu – Plutonium

Np – Neptunium

GEA – Gamma Energy Analysis

H3 – Tritium

Sr – Strontium 89, 90

WTPH-D – Total Hydrocarbons-Diesel

Cr+6 – Hexavalent Chromium

NH4 - Ammonium

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ATTACHMENT 2

ANALYTICAL RESULTS

Consisting of 10 pages
Cover page not included

WSCF ANALYTICAL RESULTS REPORT

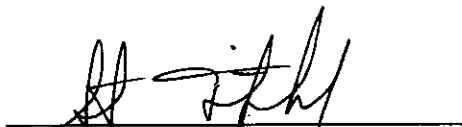
for

Ground Water Protection Program

Richland, WA 99352

Attention: Steve Trent

Analytical:



Client Services:



All results are reported on an "as received" basis unless otherwise noted in the comment section.

Confidentiality Notice: The information contained in this report is privileged and confidential information intended only for the use of the addressee. If the reader of this report is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone at (509) 373-7020.

Contract#: F03-007

Report#: WSCF20031116

Report Date: 10-sep-2003

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-2

Attention: Steve Trent
Project: F03-007: 200-PW-2/PW-4

Group #: WSCF20031116

Sample #	Client ID	CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000708	B17486	GPP	TRENT	75-35-4	1,1-Dichloroethene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	79-01-6	Trichloroethene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	71-43-2	Benzene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	108-88-3	Toluene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	108-90-7	Chlorobenzene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	75-34-3	1,1-Dichloroethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	100-41-4	Ethylbenzene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	100-42-5	Styrene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	10061-01-5	cis-1,3-Dichloropropene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	10061-02-6	trans-1,3-Dichloropropene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	107-06-2	1,2-Dichloroethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	108-10-1	4-Methyl-2-Pentanone	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	124-48-1	Dibromochloromethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	127-18-4	Tetrachloroethene	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	1330-20-7	Xylenes (total)	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	540-59-0	1,2-Dichloroethene(Total)	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	56-23-5	Carbon tetrachloride	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	591-78-6	2-Hexanone	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	67-64-1	Acetone	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	67-66-3	Chloroform	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	71-55-6	1,1,1-Trichloroethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	74-83-9	Bromomethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	79-34-5	1,1,2,2-Tetrachloroethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	74-87-3	Chloromethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	75-00-3	Chloroethane	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	75-01-4	Vinyl chloride	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03
W030000708	B17486	GPP	TRENT	75-09-2	Methylenechloride	LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03

MDL=Minimum Detection Limit

U - Analyzed for but not detected above limiting criteria.

RQ=Result Qualifier

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF ANALYTICAL RESULTS REPORT

2-3

Attention: Steve Trent
Project: F03-007: 200-PW-2/PW-4

Group #: WSCF20031116

Sample #	Client ID			CAS #	Test Performed	Matrix	WSCF Method	RQ	Result	Unit	DF	MDL	Analyze	Sample	Receive
W030000708	B174B6	GPP	TRENT	75-15-0	Carbon disulfide		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	75-25-2	Bromoform		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	75-27-4	Bromodichloromethane		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	78-87-5	1,2-Dichloropropane		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	78-93-3	2-Butanone		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	79-00-5	1,1,2-Trichloroethane		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	107-87-9	2-Pentanone		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03
W030000708	B174B6	GPP	TRENT	104-51-8	n-Butylbenzene		LA-523-455	U	< 1.00	ug/L	1.00	1.0	08/26/03	08/13/03	08/13/03

MDL=Minimum Detection Limit

U - Analyzed for but not detected above limiting criteria.

RQ=Result Qualifier

DF=Dilution Factor

* - Indicates results that have NOT been validated; + - Indicates more than six qualifier symbols

Report WGPP/ver. 1

Ground Water Protection Program

WSCF

ANALYTICAL COMMENT REPORT

2-4

Attention:
Project Number

Group #: 20031116

Sample #	Client ID	Lab Area	Test	Comment
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Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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WSCF
TENTATIVELY IDENTIFIED PEAK REPORT

2-5

Attention:
Project Number

Group #: 20031116

Sample #	Client ID	Test Name	Peak Name	CAS#	RT	RQ	Result	Units
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RQ=Result Qualifier

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WSCF

METHOD REFERENCES REPORT

2-6

The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry method here does not necessarily indicate a verbatim implementation of that method.

LA-523-455	LA-523-455: VOLATILE SAMPLE ANALYSIS BY SW-846
EPA SW-846 8000B	DETERMINATIVE CHROMATOGRAPHIC SEPARATIONS
EPA SW-846 8260B	VOLATILE ORGANIC COMPOUNDS BY GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at <http://apweb02/asponlinedocs/wscf/sample%20mgmt/ProcedureMethodCrossReference.pdf>. This document includes on-line links to full-text versions of the procedures and methods, where available.

Report Date: 10-sep-2003

Report#: WSCF20031116

Report WGPPM/0

Page 1

w13qlog v1 10-sep-2003 13:00:20

W13q Worklist/Batch/QC Report for Group# WSCF20031116

WL#	S#	Batch	QC#	Tray Type	Sample#	Test
			23514	BLANK		VOA Ground Water Protection
			23514	LCS		VOA Ground Water Protection
			23514	MS	W030000708	VOA Ground Water Protection
			23514	MSD	W030000708	VOA Ground Water Protection
			23514	SAMPLE	W030000708	VOA Ground Water Protection
			23514	SPK-RPD	W030000708	VOA Ground Water Protection
			23514	SURR	W030000708	VOA Ground Water Protection

WSCF ANALYTICAL LABORATORY QC REPORT

2 - 8

SDG Number: WSCF20031116
Matrix: WATER
Test: VOA Ground Water Protection

SAF Number: F03-007
Sample Date: 08/13/03
Receive Date: 08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
Lab ID: W030000708 BATCH QC ASSOCIATED WITH SAMPLE									
MS	1,1-Dichloroethene	75-35-4	22.000	88.000	% Recov	08/26/03	63.000	117.000	
MS	Benzene	71-43-2	27.000	108.000	% Recov	08/26/03	75.000	129.000	
MS	4-Bromofluorobenzene	460-00-4	52.000	104.000	% Recov	08/26/03	84.000	116.000	
MS	Chlorobenzene	108-90-7	25.000	100.000	% Recov	08/26/03	79.000	119.000	
MS	1,2-Dichloroethane-d4	17060-07-0	52.000	104.000	% Recov	08/26/03	82.000	136.000	
MS	Toluene-d8	2037-26-5	52.000	104.000	% Recov	08/26/03	89.000	119.000	
MS	Toluene	108-88-3	26.000	104.000	% Recov	08/26/03	76.000	120.000	
MS	Trichloroethene	79-01-6	24.000	96.000	% Recov	08/26/03	73.000	123.000	
MSD	1,1-Dichloroethene	75-35-4	22.000	88.000	% Recov	08/26/03	63.000	117.000	
MSD	Benzene	71-43-2	27.000	108.000	% Recov	08/26/03	75.000	129.000	
MSD	4-Bromofluorobenzene	460-00-4	51.000	102.000	% Recov	08/26/03	84.000	116.000	
MSD	Chlorobenzene	108-90-7	26.000	104.000	% Recov	08/26/03	79.000	119.000	
MSD	1,2-Dichloroethane-d4	17060-07-0	52.000	104.000	% Recov	08/26/03	82.000	136.000	
MSD	Toluene-d8	2037-26-5	52.000	104.000	% Recov	08/26/03	89.000	119.000	
MSD	Toluene	108-88-3	27.000	108.000	% Recov	08/26/03	76.000	120.000	
MSD	Trichloroethene	79-01-6	25.000	100.000	% Recov	08/26/03	73.000	123.000	
SPK-RPD	1,1-Dichloroethene	75-35-4	88.000	0.000	RPD	08/26/03	0.000	10.000	
SPK-RPD	Benzene	71-43-2	108.000	0.000	RPD	08/26/03	0.000	10.000	
SPK-RPD	Chlorobenzene	108-90-7	104.000	3.822	RPD	08/26/03	0.000	10.000	
SPK-RPD	1,2-Dichloroethane-d4	17060-07-0	104.000	0.000	RPD	08/26/03	0.000	25.000	
SPK-RPD	Toluene-d8	2037-26-5	104.000	0.000	RPD	08/26/03	0.000	25.000	
SPK-RPD	Toluene	108-88-3	108.000	3.774	RPD	08/26/03	0.000	10.000	
SPK-RPD	Trichloroethene	79-01-6	100.000	4.082	RPD	08/26/03	0.000	10.000	
SURR	4-Bromofluorobenzene	460-00-4	52.000	104.000	% Recov	08/26/03	84.000	116.000	
SURR	1,2-Dichloroethane-d4	17060-07-0	51.000	102.000	% Recov	08/26/03	82.000	136.000	
SURR	Toluene-d8	2037-26-5	51.000	102.000	% Recov	08/26/03	89.000	119.000	

WSCF ANALYTICAL LABORATORY QC REPORT

2-9

SDG Number: WSCF20031116
Matrix: WATER
Test: VOA Ground Water Protection

SAF Number: F03-007
Sample Date: 08/13/03
Receive Date: 08/13/03

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BATCH QC									
BLANK	1,1-Dichloroethane	75-34-3	< 1.0	n/a	ug/L	08/26/03			U
BLANK	1,1,1-Trichloroethane	71-55-6	< 1.0	n/a	ug/L	08/26/03			U
BLANK	1,1,2-Trichloroethane	79-00-5	< 1.0	n/a	ug/L	08/26/03			U
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	n/a	ug/L	08/26/03	0.000	5.000	U
BLANK	1,1-Dichloroethene	75-35-4	< 1.0	n/a	ug/L	08/26/03			U
BLANK	1,2-Dichloroethane	107-06-2	< 1.0	n/a	ug/L	08/26/03			U
BLANK	1,2-Dichloroethene(Total)	540-59-0	< 1.0	n/a	ug/L	08/26/03			U
BLANK	2-Hexanone	591-78-6	< 1.0	n/a	mg/L	08/26/03			U
BLANK	2-Pentanone	107-87-9	< 1.0	n/a	mg/L	08/26/03			U
BLANK	4-Methyl-2-Pentanone	108-10-1	< 1.0	n/a	mg/L	08/26/03			U
BLANK	Acetone	67-64-1	< 1.0	n/a	mg/L	08/26/03			U
BLANK	Bromodichloromethane	75-27-4	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Benzene	71-43-2	< 1.0	n/a	ug/L	08/26/03			U
BLANK	4-Bromofluorobenzene	460-00-4	51.000	102.000	% Recov	08/26/03	84.000	116.000	
BLANK	Bromoform	75-25-2	< 1.0	n/a	mg/L	08/26/03			U
BLANK	n-Butylbenzene	104-51-8	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Carbon disulfide	75-15-0	< 1.0	n/a	mg/L	08/26/03			U
BLANK	Carbon tetrachloride	56-23-5	< 1.0	n/a	mg/L	08/26/03			U
BLANK	Dibromochloromethane	124-48-1	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Chloroform	67-66-3	< 1.0	n/a	mg/L	08/26/03			U
BLANK	Chlorobenzene	108-90-7	< 1.0	n/a	ug/L	08/26/03			U
BLANK	cis-1,3-Dichloropropene	10061-01-5	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Chloroethane	75-00-3	< 1.0	n/a	ug/L	08/26/03			U
BLANK	1,2-Dichloroethane-d4	17060-07-0	50.000	100.000	% Recov	08/26/03	82.000	136.000	
BLANK	1,2-Dichloropropane	78-87-5	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Ethylbenzene	100-41-4	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Bromomethane	74-83-9	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Chloromethane	74-87-3	< 1.0	n/a	ug/L	08/26/03			U

WSCF ANALYTICAL LABORATORY QC REPORT

2-10

SDG Number: WSCF20031116
Matrix: WATER
Test: VOA Ground Water Protection

SAF Number: F03-007
Sample Date:
Receive Date:

QC Type	Analyte	CAS #	QC Found	QC Yield	Units	Analysis Date	Lower Limit	Upper Limit	RQ
BLANK	2-Butanone	78-93-3	< 1.0	n/a	mg/L	08/26/03			U
BLANK	Methylenechloride	75-09-2	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Tetrachloroethene	127-18-4	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Styrene	100-42-5	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Xylenes (total)	1330-20-7	< 1.0	n/a	ug/L	08/26/03	0.000	5.000	U
BLANK	Toluene-d8	2037-26-5	51.000	102.000	% Recov	08/26/03	89.000	119.000	
BLANK	Toluene	108-88-3	< 1.0	n/a	ug/L	08/26/03			U
BLANK	trans-1,3-Dichloropropene	10061-02-6	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Trichloroethene	78-01-6	< 1.0	n/a	ug/L	08/26/03			U
BLANK	Vinyl chloride	75-01-4	< 1.0	n/a	mg/L	08/26/03			U
LCS	1,1-Dichloroethene	75-35-4	22.000	88.000	% Recov	08/26/03	70.000	130.000	
LCS	Benzene	71-43-2	26.000	104.000	% Recov	08/26/03	70.000	130.000	
LCS	4-Bromofluorobenzene	480-00-4	51.000	102.000	% Recov	08/26/03	84.000	116.000	
LCS	Chlorobenzene	108-90-7	26.000	104.000	% Recov	08/26/03	70.000	130.000	
LCS	1,2-Dichloroethane-d4	17060-07-0	52.000	104.000	% Recov	08/26/03	82.000	136.000	
LCS	Toluene-d8	2037-26-5	51.000	102.000	% Recov	08/26/03	89.000	119.000	
LCS	Toluene	108-88-3	26.000	104.000	% Recov	08/26/03	70.000	130.000	
LCS	Trichloroethene	79-01-6	25.000	100.000	% Recov	08/26/03	70.000	130.000	

T4180-03-SLF-028

ATTACHMENT 3

SAMPLE RECEIPT INFORMATION

Consisting of 3 pages
Cover page not included

VIS
9/10/03

ACKNOWLEDGMENT OF SAMPLES RECEIVED

Ground Water Protection Program

Richland, WA 99352
Attn: Steve Trent

Customer Code: GPP
PO#: 117504/ES20
Group#: 20031116
Project#: F03-007
Proj Mgr: STEVE TRENT
Phone: 373-5869

The following samples were received from you on 08/13/03. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample Id	Tests Scheduled	Matrix	Sample Date
W030000708	B174B6	GPP @VOA-GPP	TRENT Water	08/13/03

Test Acronym Description

Test Acronym	Description
@VOA-GPP	VOA Ground Water Protection

MAN

7/19/03

FH-Central Plateau Project		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				F03-007-015		Page 1 of 1		
Collector Johansen/Pfister/Pope/Hughes		Company Contact LC Hulstrom		Telephone No. 373-3928		Project Coordinator TRENT, SJ		Price Code 7N Data Turnaround 30 Days		
Project Designation 200-PW-2/200-PW-4 OU - QC Sampling		Sampling Location 200-PW-2		SAF No. F03-007		Air Quality <input type="checkbox"/>				
Ice Chest No.		Field Logbook No. HNF-N-3361		COA 117504ES10		Method of Shipment Government Vehicle				
Shipped To Waste Sampling & Characterization		Offsite Property No.				Bill of Lading/Air Bill No.				
POSSIBLE SAMPLE HAZARDS/REMARKS Special Handling and/or Storage		Preservation	HCl to pH < 2 Cool 4C							
		Type of Container	aGs*							
		No. of Container(s)	3							
		Volume	40mL							
SAMPLE ANALYSIS		See item (1) in Special Instructions.								
20031116										
Sample No.	Matrix *	Sample Date	Sample Time							
B17486 W030000708	WATER	8/13/03	8:30 AM	X						
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *		
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time	(1) VOA - 8260A (TCL); VOA - 8260A (Add-On) (2-Pentanone, Benzyl alcohol, n-Butylbenzene)				S=Soil SE=Sediment SO=Solid SI=Sludge W = Water O=Oil A=Air DS=Drym Solids DL=Drym Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other		
J. POPE / J. H. /	8/13/03 1350	[Signature]	8/13/03							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time							
LABORATORY SECTION	Received By		Title						Date/Time	
FINAL SAMPLE DISPOSITION	Disposal Method		Disposed By						Date/Time	

Sims, Vic T

From: Ayres, Doris E
Sent: Thursday, August 14, 2003 9:10 AM
To: Neely, Michael; Trent, Stephen J
Cc: Dale, Troy F; Trechter, John E Jr.; Beebe, Kevin L; Sims, Vic T
Subject: RE: SDGs 20031112, 20031116, and 20031117 Sample Receipt Issues

See my comments below.

Doris

-----Original Message-----

From: Neely, Michael
Sent: Thursday, August 14, 2003 5:31 AM
To: Trent, Stephen J; Ayres, Doris E
Cc: Dale, Troy F; Trechter, John E Jr.; Beebe, Kevin L; Sims, Vic T
Subject: SDGs 20031112, 20031116, and 20031117 Sample Receipt Issues
Importance: High

Steve:

Three (3) of the five (5) GPP sample delivery groups (SDGs) that were received at WSCF yesterday (08-13-03) are depicted below:

1. SDG 20031112 - Samples B17C41, B17C42, B17C43 - Under SAF F03-012
2. SDG 20031116 - Sample B174B6 - Under SAF F03-007
3. SDG 20031117 - Sample B173V6 - Under SAF F03-006

There are several issues associated with these SDGs that will require resolution by GPP prior to WSCF proceeding with the analyses. The issues requiring GPP resolution are briefly summarized below.

1. SDG 20031112 - On the chain of custody (COC), GPP is requesting TPH-Diesel Range - WTPH-D. However, there are no "special instructions" on the COC requesting kerosene. Is GPP interested in WSCF reporting kerosene and diesel range compounds from the WTPH-D analyses? **Please proceed and report kerosene and the diesel range compounds.**
2. SDG 20031116 - On the COC, GPP is requesting benzyl alcohol as part of the VOA - 8260A Add-On list. However, benzyl alcohol is actually part of the WSCF Semi-VOA - 8270A Add-On list. There is insufficient sample [i.e., VOA protocol requires only three (3) 40-mL samples] to analyze for the benzyl alcohol using the Semi-VOA protocol, which would require at least a 1-L sample [assuming that no QC is required, and four (4) 1-L samples if full QC is required]. Therefore, does GPP want WSCF to remove benzyl alcohol from the list of requested analytes on the COC (i.e., no analyses for benzyl alcohol will be performed by WSCF)? Or, would GPP like to provide WSCF with the additional sample volume in order for WSCF to perform the Semi-VOA analyses for benzyl alcohol? **Please remove benzyl alcohol from the list of requested analytes on the COC.**
3. SDG 20031117 - On the COC, GPP is requesting ICP-MS 200.8 "Complete". WSCF assumes that GPP is not really requesting the "complete" WSCF library for ICP-MS method 200.8, and is only requesting the specific metals that are listed after the word "complete". Are these valid assumptions? **Please report only the specific metals that are listed after the word "complete".**

Thank you for your help with this. Your expeditious reply would be greatly appreciated.